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WHAT IS CLAIMED IS:

1. A process for making an elastically stretchable disposable wearing article which includes a front waist region,
5 a rear waist region and a crotch region extending between these waist regions all made of an elastically stretchable sheet, wherein transversely opposite lateral marginal zones of said front and rear waist regions detachably or permanently connected one to another to form a waist-hole and a pair of
10 leg-holes, and further includes a first elastic zone formed in a transversely middle zone of said crotch region, a belt-like second elastic zone extending from said first elastic zone in parallel to respective peripheries of said leg-holes to respective lateral marginal zones of said front and rear waist
15 regions and third elastic zones defined by remaining zones except for said first and second elastic zones wherein said first, second and third elastic zones exhibit a stretch stress adjusted to be decreased in this order; said process comprising the steps of:
 - 20 (a) continuously feeding an elastically stretchable web in a machine direction,
 - (b) forming said web with groups of slits intermittently in the machine direction, each group comprising a plurality slits

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arranged symmetrically in a cross direction of said web about a transversely middle zone of said web defined by a predetermined dimension in the cross direction,

(c) leaving said middle zone and a portion extending between
5 each pair of the adjacent groups of slits, folding a remaining portion of said web in the cross direction orthogonal to said machine direction so that said remaining portion may be layered so as to be alternately overlapped one upon another,

(d) joining overlapping layers of said web one to another, and

10 (e) successively cutting said web in the machine direction into a predetermined length.

2. The process according to Claim 1, wherein, said web is stretched in said machine direction and/or said cross direction
15 and then left to contract in early stage of feeding said web from its roll in said machine direction.

3. The process according to Claim 2, further including a step of joining non-stretchable sheets continuously extending in
20 said machine direction are joined to the lateral marginal zones of said web after said web has been stretched in said machine direction and then left to contract.

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4. The process according to Claim 1, wherein said step (d) of bonding overlapping layers of said web one to another serves also to decrease the elastically stretchable area of said web.
- 5 5. The process according to Claim 1, further including a step of attaching belt-like elastic members to zone of said web to form said waist-hole or to form said leg-holes.